## FT10-RT433-RHT

## Wireless humidity and temperature transmitter



Transmitter is splash water resistant and it can be placed directly into the measurement location with no extra cabling.

This completely new and innovative wireless temperature and humidity transmitter is perfectly suited for even the most challenging self-surveillance targets.

It consists of two parts - the radio transmitter and the measuring module - that are watertightly connected together.

The measuring module FT10-RHT is easily and quickly user-replaceable with a recalibrated measuring module to

enable easy, economical and non-interrupting recalibration of the whole temperature surveillance system.

The device is certified to fulfill the requirements of EN13485 standard, so it can be used to monitor the temperatures and humidity's of foodstuffs storage facilities.

The radio transmitter FT10-RT433 is equipped with an efficient 433.92 MHz radio transmitter and with a detachable quarter-wave whip antenna. This enables transmissions out of closed steel cabinets and other difficult targets. Carefully designed electronics still enable the battery to last longer than the usual two-year recalibration period. The battery is always replaced during the factory recalibration so the user need not worry about replacing the batteries!

Relative humidity  accuracy  Pt100: ±0.5°C (-30+50°C)  Humidity: typ. ±3 %RH over 0+50 °C  input channels  2  measuring range  -30+60°C  0100 %RH non-condensing  Radio details  transmission interval  5 s 5 min  coverage range  open space up to 1000 m  Output details  output channels  2  outputs  433 MHz radio signal  Connection details  programming  MekuWin or 6790  Power supply  supply voltage  battery: 1.5 V AA alkaline  battery life  Over 3 years (80 s transmission interval)  General information  maximum ambient temperature  60°C  minimum ambient temperature  -30 °C  case material  plastic (PC and ABC+PC)  IP40	Input details	
accuracy Pt100: ±0.5°C (-30+50°C) Humidity: typ. ±3 %RH over 0+50 °C  input channels 2  measuring range -30+60°C 0100 %RH non-condensing  Radio details  transmission interval 5 s 5 min coverage range open space up to 1000 m  Output details output channels 2 outputs 433 MHz radio signal  Connection details programming MekuWin or 6790  Power supply supply voltage Battery: 1.5 V AA alkaline battery life Over 3 years (80 s transmission interval)  General information maximum ambient temperature 60°C minimum ambient temperature -30 °C case material plastic (PC and ABC+PC) protection class	inputs	Temperature: Pt100
Humidity: typ. ±3 %RH over 0+50 °C input channels 2 measuring range -30+60°C 0100 %RH non-condensing  Radio details transmission interval 5 s 5 min coverage range open space up to 1000 m  Output details output channels 2 outputs 433 MHz radio signal  Connection details programming MekuWin or 6790  Power supply supply voltage Battery: 1.5 V AA alkaline battery life Over 3 years (80 s transmission interval)  General information maximum ambient temperature 60°C minimum ambient temperature -30 °C case material plastic (PC and ABC+PC) protection class		Relative humidity
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Output details outputs 2 outputs 433 MHz radio signal  Connection details programming MekuWin or 6790  Power supply supply voltage Battery: 1.5 V AA alkaline battery life Over 3 years (80 s transmission interval)  General information maximum ambient temperature 60°C minimum ambient temperature -30 °C case material plastic (PC and ABC+PC) protection class IP40	transmission interval	5 s 5 min
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General information         maximum ambient temperature       60°C         minimum ambient temperature       -30 °C         case material       plastic (PC and ABC+PC)         protection class       IP40	supply voltage	Battery: 1.5 V AA alkaline
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minimum ambient temperature -30 °C  case material plastic (PC and ABC+PC)  protection class IP40	General information	
case material plastic (PC and ABC+PC) protection class IP40	maximum ambient temperature	60°C
protection class IP40	minimum ambient temperature	-30 °C
	case material	plastic (PC and ABC+PC)
approvals CE and EN13485	protection class	IP40
	approvals	CE and EN13485